



Calhoun: The NPS Institutional Archive

DSpace Repository

Theses and Dissertations

1. Thesis and Dissertation Collection, all items

1959

The practicability of standardizing technical and catalog organizations at supply demand control points.

Robison, John Thomas.

Monterey, California: U.S. Naval Postgraduate School

http://hdl.handle.net/10945/14505

Downloaded from NPS Archive: Calhoun



Calhoun is the Naval Postgraduate School's public access digital repository for research materials and institutional publications created by the NPS community. Calhoun is named for Professor of Mathematics Guy K. Calhoun, NPS's first appointed -- and published -- scholarly author.

> Dudley Knox Library / Naval Postgraduate School 411 Dyer Road / 1 University Circle Monterey, California USA 93943

http://www.nps.edu/library

UNITED STATES NAVAL POSTGRADUATE SCHOOL



A Term Paper

The Practica bility of Standardizing
Technical and Catalog Organizations
at Supply Demand Control Points

Ву

J. T. Robison

hesis 647 WIE AKY NA AL PULTGRAD ATE S NOVIZIO CALLE

DUDLEY KNOX LIBRARY'
NAVAL POSTGRADUATE SCHOOL
MONTEREY CA 93943-5101

OF THE STREET OF STREET OF

A Term Paper

Procented to

The Faculty of the Humagement School

T. S. Navel Postgraduate School

In Partial Pullilless
of the Requirements for Complesson
of the Hangement Course

TODA OF STATES OF SER

VIFE MEDITOR

These &

LIBRARY
NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIF. 93940

Set all things in their our possilar place, And know that order is the greatest gross.

BRIDGIA



Toubulced and Gutaley Organizations at Supply Tearned Grathed, which as a measurement paper is based on personal experience in record the state in the face of a standard expendent for these organizations at the control Copylly Demant Control Points in the face of a standard expendent for these functions, and an interest in the factors supporting these endeding organizations described and anistorest in the factors supporting these endeding organizations described in the factors supporting these endeding organizations from the viewpoint of the organizational principles devolved.

The author is sware that because of the widely ranging experienttions for technical and cataloging functions at all Supply to and to dead.
Toints, the Eurest of Supplies and Accounts is giving can the Men to
revising the standard organization for these functions as wall us other
related functions. The purpose of this paper is to note a the baris
of their objectives, practices, and operating probables. From the the
functions. Although remote and conjunctively infinitesimal line of a it
is left that this study may come as a worthwalls contributed to and
that although remote and conjunctively infinitesimal that to make the
services. Although remote and conjunctively infinitesimal that to make

To come emisat whin cond, will reflect persual a condition who simple of this obady will be based upon the guiding principle and the blood upon the



Advantation of organication and resemption and the inflame transport factor action provided by specials funday Percent Control tolain, and success is indebted to the Electronics Supply Office, Control Stores Supply Office, Ordnesso Supply Office, Submarine Supply Office, and Training Devices Supply Office for their contribution of information without which this study could not be made.



The state of the s

CARPAUS.		7
ein a		6-6 E-79
II.	PRIMITEMARY PRAIMING, PARABOURD ADVERDPINAR, AND	
	SCORE AND INVEL OF SAUDY	23
MII.	FACTUAL INFORMATION AND DATA	Service space
IV.	ANALYSIS AND INTERPRITATION OF MARK	29
₩.	DEVELOPMENT OF SOLUTIONS AND RECORDINALITONS	20
NIZLIOITAPAT		



FROLLE		δυ 1 2.2°
S. San State of Lot of Line	Organisation Chart of Supply Dencal Control Police	min A 3 Williams Lys
2-14	Organisation Chart of Supply Describ Common Points	
	(Continued)	10 mg
2-15	Organisation Chart of Divisions Performing Technical and	
	Cabaloging Functions	16
2-2.	Organization Chart of Divisions' Performing Technical and	
	Cataloging Functions (Continued)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2-3-	Organization Chart of Divisions Performing Testmical and	
	Cataloging Functions (Continued)	3.6
5.4	Proposed Standard Organization for Technical and Catring	
	Functions of Supply Demand Control Points	For the last



97 7 6 7 6 7

Fusy . 38 of Charly

The purpose of this study is to determine the first-likely of a studied enganization for technical and catalog functions at topply Demand Control Points. For the unintideted a Supply Demand Control Common Forms as a SNCP, is an inventory serious control sectivity ostal Liebel to administer the Navy samply system for entermises of maturial as assigned by the bases having ever-all equations of the mitual involved. Such COSP is unless joint as arrive of the country of the bases defined and the Cost in the bases defined as arrived as the country of the bases of the bases of the bases are all the bases of the bases are all the bases of the bases are all the bases of the bases o

The same of the past flow pound there has been an eage of the roll to the sale to devalous from the same that same the same that and supplies a same of the same that are the same that the same that

En reion of frastonesing confluidity with a normal for the file of the file of



or my the regulates of the representations of the resulting of the study of present functions and organization structure in the highs of generally accepted principles of organization. The magnitude of this effort can be expected in the first the fact that of the entire civilian personnel strongth of 2000, unich totals approximately 7,500, at least one-third is assisted to technical and catalog operations. The payroll for this segment is conservatively estimated to be \$12,000,000 per year.

No specific problem can be pointed out as a result of this pattern of organization. Escentially, the problem is should take trend is sound from an organization point of view. Or more important - is this deviation to the best interests of the Navy?

The urgo to standardize is universal arong of an allege - perhaps to a fault. Hevertheless, there is value to standard espandardies.

Within the principles of organization developed by the Army fervice Forces during World War II there are three reasons for alleging to a standard pattern of organizations

2. To simplify organizational relationality on the conforming organization structure to a logic ly an example plan of a resolution.

2. To obtain the one of the production of the banks of the course for the organization of the course for the co

5. To provide a simple basis for general universitation end recognition of the error location of recognition of the error location of recognition at all levels of the error state.

Linguis Finagement of the Matterni Beautiff, in the of intuition, Wilmo IV, Industrial College of the Matternia College o



(10), 112 1, 112 22 , 113 1

The approach to this congrate, noticed a term of a constant of the constant of the following a confidence to be followed by the "while constant in following a confidence.

The winth stop, that of installation and following of a serve halfor, has to be emitted. This approach for

- 2. Proliminary planning and background devolopions, Anda Ving determination of proper scope and level of parray.
- 2. Collection of factual Anformation and data,
- 3. Anniyais and interpretation of data.
- i. Development of colutions and made maniations.
- 5. Proporables of final report.

As in the Wallinger and the Opin the Late of the Company, Tolk), you have



AND SUCH AND LEVEL OF STURE

In proliminary planning and background duratoys at for an organization, deation study requires a review of the back principles of organization, the study of various types of organization, consideration of the principal bases for specialization in brilding up an organization, the rories of regulations, and the establishment of a methodology necessary to conduct an organization analysis. The vicepoints of served recognized authorities on organization and remagness in regard to the organization and remagness in regard to the organization and presented.

Organiaction Structure

The particular and Therefore place a great dock of emphasis on the important of the organization streature. They express the will a of our their though streature.

Organization atems are in one of the most, if the there is it to the the state of the form interesting and editorities or subtones. For a term to a cill the object form of oil many such of with the large of the state of the st

There is in Emposed and Ever J. Marchen, in the line in the control of the line in the line i



11.

Complete action with a simple builty to complete an order of the company and company and the c

Fundamentaling the eliminterston and dest a division of orthological that provides the president of allegance of continuous formation, and successful a destination, accurred adequate a destination to increase tent activities, measurized level consistions, devolute popula, and heaps expenses loss.

He also emphasises the following in regard to expression structure:

An additional point that chould be given careful employation in establishing an engenication structure is the de the billity of creating primary departments on a consistent basine. Thus, if not specifing activities are divided among territorial divided, thuse is a distinct require of in having all operating activities elecated in absenting activities of each located in absention, then the conclusion are of a function; there is a charactery to read to a conclusion.

Totale indicates that it is not always provided to failur one. .

Unade of departmentation, as those are cortain elterities where hotal conditions outraigh the edments see of the election devices. Leads of twent division. In those incheses he provides this conditionary note:

Luck time this is done the expaniential structure is not be normed. The is often burlet to entablish a follower of no be normed. The is often burlet to entablish a follower of in an article of the line of the constant of a constant of the constant of the

Allerian H. Howma, first destruction desired (Test House P. wester-

DEAL., p. 203.

ETHILES D. 28%.



An our controls to the control of th

Although rout divicion to the formitation of expediential, it has major limitations begand which it should not be combined for ment to minimize any divide the time constant in handling but the norther one entite that the time constant in handling but the norther one entite that the special to middly it as a feating to the second, to make, the orthogonal to influence of them for the subject to charms. Thus, the division must not be carried to the point where the hornor, are to to the division must not be carried to the point where the limits of not to the divided, oneed the rotus due to note division. Thus, or this sion must not be carried to the point of organic director, then, then, there is the time necessary to do the subdivided work to the last order a fraction of the fail there of a new and related to the order.

The Quality of Corners?

As understanding ask utilization of the scalar of states of its asserting of states of ask asserting for effective organization. Fayol describes sind on a consider anylog from the ultimate anti-map of a state of the chain of authority is the route follows which every list in the chain - by all communications which start from or no to the ultimate arthodoxy.

The second without and the Common State of the State of the Common second secon

Court Capaty Synthety and I dealer at the telephone for their



712 0 11,20

The my built of the land of th

At is the faction of the similar to commonly to commonly the of the line, and the kine only, to so extraction of ideas... The first of the straight of ideas... The first of the straight of interests and their expectation. This is implicit in the meaning of the tool metall, which is constring to support or lean upon the talkout and therety to decide or initials.

The Span of Control

No discussion of organization is complete without consideration of the principles of the open and level of management control. P.C. Gillner offers the following in regard to this facet of more control.

Another principle of importance in determining communications as that which established the limitations of the principle of the intimations that can be considered by a single case diam. If in a limitations for a set the considered by a single case diam. If in a more for the formal to as the principle of span of controls for an involvent of the principle of the descriptions to be considered to the set of the communications to be considered, and upon the communication of problems are the second to the problems are the second to the following the constitution are the second that are the second that are the constitutions to be considered to the first and the second that are the second that are the constitutions and the second that are the second that are the second that are the constitutions.

The of what converse and the major of convert of the of the original calls as the original calls and the second of the original calls are the original calls as the original calls are the original calls and the original calls are the original calls and the original calls are the term of the original calls and the original calls are the original calls and the original calls are the origina

[.] Trings - kapp Timusper (d. -d. Cins I, made not been not sit in the constant of the constant of the constant of

^{0-1 - 1 - 23 -}



The continuity of the control of the control of the standard of the control of

Province the most level of the most level of the following and the level of the composition of the most level of the following and the following level of the most deviation of the level of the level of the control of the level of the level

Results and O'Donne'll support the excellen of an fibul oughnisation in their presentation on the need for organization plansby.

Promoting to diseases and especie the period of the interior of a function of comparison to diseases and especie the period of the period of the comparison of the comparison

Mr. y Polity

The rates of a first first and a second standard for the first and a second first and the first and the first and first first and the first firs

The state of the s



The first and a train of the first and the f

is the street was compared to the street of the street of

The Dynamic Nature of Organisation

All astimulates agree that most organisation plants, is a contimulation for that complete remaindation, ascerding to a model, the calculation of the complete respondent of the continual model and the continual model of the continual continual the classes and the continual the classes and the continual the classes and the continual the classes are the continual the classes and the continual continual

Line of the line o



The common of file stary is limited to come in the field of the Ly term of Superior with a common the field of the Ly term of Superior of Superior of the start of the Ly term of Superior of the collection with the frequency of operation or the collection with the first the first of collection.

Notice to Render

In it responds to go into considerable detail. There details are indirect as a part of this paper in order to enough the areas of the following to reliable the considerable and responds on the areas of the object.

The gendum that has mainther the time of the faterest to a fire into the organization standboxe and date properties and analys. A the the joint REE and EV can follow the continuity of this property by a time of the continuity of this property of a fire time of the property of the continuities.

All and EV can following discosting to the journ V, I rates at a fire time the continuities.



CHART TILL

PACTUAL ENCORPENSION AND DATA

Source of Information

In order to analyze the technical and catalog organization structure and functions of a SDOP, it is first necessary to collect and present the information that best represents these organizations. The basic information necessary for this paper is furnished by five Supply Demand Control Points - Electronics Supply Office, General Stores Supply Office, Ordance Supply Office, Submarine Supply Office, and Training Devices Supply Office. These organizations represent almost one half of the investory control points in the Navy Supply System. This information consists essentially of organization charts, personnel listings, and specific operating presenters and practices selected as being representative of SDOP organization and operation. Information utilized for this study was also obtained from the Bureau of Supplies and Accounts Manual and from writings of recognized authorities in the field of management.

Nature of Data

For purposes of this study the five SMPs selected may be concidered in the aggregate to represent a composite SMP. On this balls at Isliens that the sun total of information and date processed is surmore representative than if it were derived from a single toward. The smooth literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the degree of equipment compared the literal carried and the literal carried and the literal carried and lite



the characters control decrea little to by rangle, in much five this the process to the highly or characters has onate around reviewed for this atual areas

- The SMP mission, SMP resortional state and, and SMP or mission chart down to and including the branch level of each decimal.
- Organisation chart of technical-catalog organisations down to and including unit level.
- Detailed functional statement of technical-catalog organizations for each organizational segment down through unit level.
- Staffing pattern of technical-catalog organisations including civilian personnal classifications and grade.
- Operating instructions or a description of the following functions:

Provintening of new equipments or components.

Technical hibrary practices including obtantion and similar of manufacturer's drawings, standards, otc., for both technical and cabolog use.

Maintenance of technical and catalog records.

Publication policy, i.e., formet and frequency of publication, nature of data published.

Them identification for Federal Catalog Program.

Work mongurament duta.

Stock coordination.

It is obvious that a detailed comparison of all technical-catalog functions would be impracticable. However, it is believed that an understanding of organizational similarities and differences can be gained through comparison and analysis of the data appearing state.

The term technical-estalog functions will be but in a computation which is not throughout this papel. Though expands functions be desirable, whey tend to bland together or employ making a clear delicable of the results and difficult.



Therefore of a SDOP, it is now story been a restant the initial pottom.

for organization - too straight organization and functions prescribed by the Europe of Supplies and Ascounts. This standard or animation is prescribed in Figure (1-1). An organization chart for all file included in this study is prescribed as figure (1-1, 1-2). A comparison of organization structures of technical and estaloging organization as a prescribed as figure (2-1, 2-2, 2-3). A resume of other information and data which has been extracted from the basic data furnished by SOOPs included in the study is presented below.

Functional Missions

The functional mission assigned specifically to each SMSP by the Dureau of Surelies and Accounts is as follows:

- Electronian Supply Office. Perform inventory control functions in accordance with the inchrections and definitions as family bigner subhority.
- General Stores Supply Office. Berreise Many inventory controls over motivatal accipud to its control.
- Opinions Supply Office. Perform inventory manage and functions for items under their complaines.
- Onb terino Supply Office. Perform inventory manage to 1. Cancillons for items or estagonist of natural under their countries.
- Training Divious Supply Cirics. Insure that a proper behavior is maintained estroic the supply of and dominal for manufall units its inventory control.

The Parsen of Copplies and Localite Christ, with London to all Ends, recigns that functional distance of follows: Copply to all Countril Prints do not maintain associa of material but an office, Voltarion of the land in general terms is to assure a projectular but as





The state of the same



alterior to 4-4-7-



. Uy To the last the second seco



(ii) the contract of the contr



the capply of and the demonstration of the latest Detailed at the latest of the latest

I ameticand. Tarke

The general functional tacks applicable to all CDDD, which are necessary for the attainment of their functional mission are occlined by BuSandA. Those tasks that are directly related to technical—catalog functions are:

- determine or assist in determining items to be stocked.
- carry out intonsive technical responsh programs in their their call reterial under its inventory control engine are and such other material as may be designated may be identified, extensional, and steels murbered and that interchangeholicity between a little be established.
- particlerate in provintering actions on totalizes of a course of the pair parties of the collision of the pair parts and compare to a collision by the technical branch or office.
- rangement to BusandA with information to other busers of offices, as anymoprists, the transfer of commission of material deviction my far inappropriately stacked by the SDSP or other Delta or tecamest bureaus or offices.

These functional tacks are supported in terms of SDC's functional states and which follow.

Tonited States Norw, I mean of Samplins and Associated North, Vol-

^{27,400}



" My 32 To S. Li Lambary Low Jan 4 March Willald

A comparison of the rejec functions performed by each Siel revelle that many are conson to all technical-entalog divisions. Though where noted, these functions are:

- Identifies items to establish support or non-expect of the material and determines preferred and standard liters of stock.
- Petermines interchangeable or substitute items when a propriate.
- Performs functions portaining to material cogninacto multipus and departmental and inverdepartmental standardization programs.
- In coordination with the stock control division, suslike in the determination of range and quantity of repair parts to be in-cluded in provisioning documents. (Loss 6880)
- Establishes allowance lists and repair parts lists.
- Then necessary, provides specifications for preservable, patheging, packing, and marking of material.
- Naturality a complete, current technical library on untorial as required by the mission of the SDCP.
- Cordacts technical analysis necessary for the debandrable of requirements by the stock control division and acceptant procursulate of material.
- Thintshes the menter item identification file.
- Davelegs description patterns and propared ite is reilleubload.
- Obtains or assigns stock numbers for itual taler completes of the SDOP.
- Peoponsible for the layout, and printing of the Many Stadt List of the SDOP and allied publications issued by the SDOP. (NO) consiles only)
- "Antoins limited the Armed Forces Staply Tree". Combany Of the of Many Material, and Balanda in Asphe waster whalkgain directives.

Several functions appear to be possible to contain SMLT. Some of the rejections within this category west

- Development and mainterpress of population and to a full (880).



- The state of the s
- Coordinates and haple to the provincioning and allowers to a transfer (000).
- Indusprets and implementar ognipanet capports roller (0.2).
- Raintains limison with burnary, SOOPs, other againment are related to provisioning, allowaness, and continuing equipment support parts support policy for SOOP program supported a parts of (MO).

Majoriul Missions

In addition to functional missions, a material mission is assigned to each SDGP. Material missions and representative equipments are as follows:

Electronics Supply Office consists of: (1) electronic equiparits, of the Electronics Supply Office consists of: (1) electronic equiparits, (2) electronic, electrical or mechanical repair purbs (armos contactly) for the electronic equiparits symbols) required for the electronic of a signal electronic equiparits, (3) contact electronic purbs used on all equipments, and (b) essentiated test equipments. Papers attactive of the equipments supported area rathe, radar, sonar, teletyre, and true arthropic equipments used affect or achores sine control radar coult arms.

Ordinance Samply Office. Thereis assigned to be. Ordinance Supply Office is designated as Cognicance Symbol "A" material and consists of:

(i) enumance equipments, and (2) the ordinance repair party may and for support of these equipments. Representative of the item only and force party and force, and for the ordinance and antony as force, party, to make, the tops, realized, and launching devices for reckets and antony as force, and launching devices for reckets and antony as forces.

orderes and the regions of the

Soon a Supply Office are bound of a final and this and and an animal by derivative In present this autorial is of a common triver and in our production or teritod by being identified under federal or military symmitted to the by commontal specifications and standards, has sufficient do triplity notable for procurement, oto. Material assigned to this limitary control point is represented by fiber rops, condago, twins; office supplies; lumber; paint; paper; iron and steel; and handbooks.

Submarino Supply Office. Material assigned to the supply names—
ment of the Eddunchus Supply Office and designated cognisers. And a "P"
material consists of: (1) submarino equipments, (2) submarino repuls
perts including possible related accessories and constructes are submarino use, (3) medical equipments installed on submarinos are laiding
ments, and (h) medical repair parts required to support and are equipments
and distribution, smallery motors and controllers, hydratics system,
tempole and mine handling equipment, and marked reflecting equipment.

In this Povices Every Ollike, Miterial assignation the leadering Novices Supply Office is identified as sognitarne symbol. The little of sepair or replacement parts, enough regular parts desired wells of the object of sepair of replacement parts, enough regular parts desired wells of the first the operation and article range of tryining confides. Representative of significants employed ares wrainful, is the total and articles, carried a second of the separation training.



, b, at h

An antiyate of civil corries clarations approximation to not antipart personnel lietings of the various antipart indicates a productions of the various and Supply Catalogue classifications. The of actiliantitions are augmented by such supporting classifications as a support in the finance.

Allowance Specialist, Freservotion and Packaging Specialist, Takes subter,
Supply Catalog Clerk, Cherk, and Cherk-Typict.

The predominant technical classifications are of the occupational speciality characterizing the SDGP concerned, i.e., Equipment Specialist (Electronics) at the Electronics Supply Office, Equipment Specialist (Ordnance) at the Ordnance Supply Office, etc.

In general, the civil service grade at the working level within the technical-catalog organizations is higher than the working level at other primary operating divisions. At each "technical" SDDF, A.v., the equipment support activities such as OSO, CSO, DSO, DSO, DSO, DSO, DSO and TSDD, De naturic shought of the technical-catalog division(s) classify approximately of the total personnel strength. The ratio of catalog and technical personnel strength. The ratio of catalog and technically leasured

The ratio of supervisory personnal to non-supervisory personnal and the grade objecture at the various organizational lawels are consistent unroughout all SDJPs. Glasmidications of senter supervisory over small at the division and branch level use usually the same as the projectory of the division or branch. These classifications are lapter visus. Topiquent Specialist, Supply Catalogue Espectatory Covercisty.

Includes Supervisory Control Supply Officers Supervisory Covercisty.

Entitlesions Differs and Editorial Giork, Supervisory.



The part of the child where and and to the in the called

Immobles

About Application Authors

Miterial Bientlification

Preparyables and Packles

Shundurall said on

Allegance and Lood List

Thom Identification

Completion and Distribution

(= · - · - 1) > 7

That was no visited

Britis with the colors of the Supply Catalogs of the Catalogs

Inganom, North-and Decolorated

Allomnes Specialist, Equipment Secolablet Supply Catalogue

Supply Cataly Was

Functions above represent the functional group established by the Bullandh Work Measurement guide. These functions are not on will defined as might be indicated since they tend to overlap and are deficables in sever I operations. Towever, they are considered to be allegate for purposes of this presentation.

Idlibery personnel exercise line expercision of the Cook division and coviewy experision at offer the considered and offery personnel case to considered from a functional mathematical amiliatory respectively as further abidy of military personnel is considered unaccessory.

A Council Works Mouseous wit Program is them then in the STAP in accombinate which DaSamit Pair Machine 205. In the start of this country of the Country Carlo 117, and, the pair of the Country that a country of the Start of Carlo 117.

Provisioning is defined as a technical-cupicy determination made at the time of purchase of a nejer equipment of the range and quartity of repair purts required to support that equipment for a pirm seried of time. This is a major function at all SDOPs emopt the (council Stores Supply Office. Basic provisioning functions and the analyzametral responsibilities are similar throughout the technical SDOPs with our empertion. In general the coordination of the provisioning prosects is assigned to the System Planning Division with the detailed the micri-cupply determination being assigned jointly to the Technical Division and the Stock Control Division. In the case of the Electronica Supply Office, it appears that all provisioning actions, including the planning and coordinative functions, are assigned to a single division — the Equipment Support Division — organised specifically for the provisioning function.

Speak Coordination

Stock coordination is defined as a tocknical-administrative process by which an item, group or category of material, is identified and assigned to one of the SDJDs. Fermal agreements, governily standard in content and fermat, exist between all SDJPs as to how and under what circumstance the cognizance of material is to be apply a so to have a fermal ferral first and SDGP to another. This function is performed by the edical fermal Division, of each SDGP.

Publication ChO, p. 30.

livoldes De Cita



3.00

tion of the stock items to be a midd by the involvent now part to be the followed the factor of the stock items to be a midd by the involvent now part to be the fadoral Catalog System this present of identification is performed by all SDCPs. This function, as well as related catalog functions required by the Federal Catalog System, is performed by one organizational branch within the Technical Division. In each instance, the detailed procedure for item identification is built into the framework of an organization structure that differs among the CDCPs studied. Item identification is performed by the following organizational units:

- 1130 Item Identification Dromain, Topig and Sammort Dividion.
- GSEO Consiliation Dromah! Catalog Division (process).
- OSO Material Identification Coulding Tocknicel remain Systial Wangers Division and Material Identification wholey foul-
- 500 Identification dwerch, Technical Division.
- TRED Catalog Branch, Tochnical Division.

Dachatell Library

A technical library, assumily identified as the Translatic Cold

arough or assigned as a primary part of the Translated Pota of all, is

maintenant by all SOCPs. Vita the encyther of one SUS views with unit

is approximate to the Aleindetective Services Livinten, the to the Library

is a part of the Rechnical Purision. The primarity Decided of the rechnical data. Technical Purision primarity of the part of the rechnical data constate primarity of the primarity



- ESO Technical Data Branch, Administrative Services Division
- 0530 Technical Data Branch, Technical Division
- 080 Technical Data Branch, Technical Division
- SCO Material Determination Branch, Technical Division
- TASO Research and Technical Data Branch, Technical Division

Technical and Cubalo, Records

card records are maintained within the division(s) perforator; technical—catalog frantisms. Technical records are known variously as the Kuster Technical records are known variously as the Kuster Technical Item Pile, Master Technical records are known variously as the Kuster Technical Item Pile, Master Technical Record, Master Description Card, and Technical Data Card at the STORS station. There impords are maintained manually and are conduced to sorve as a motor record for all technical information required by the STOR.

The mater records wany in format and in detail has in ger real powercy such information as stock number, part member, manufacture, detailphical of item, interchangeabilities, and part application, while to make the all STORM.

The majories of ficus appearing on master records are constant to the STORM.

Figure and Diff catalog records are also maintained by one STORM. There is all types of informations. Capital who also also covered to the interch



fine this, and project date to according to the Entertain of the formation.

these files but are according as well a modern of the formation.

catalog division. All last files are interdependent, their regresses to the depending upon the complexity of the SDEP suppose spects and the marker of refinements desired. In most instances, custody and salintances of master technical and catalog files and records is assigned to one organizational unit of the technical-catalog division.

Publications

Each SDOP prepares a Navy Stock List for the material under their cognisance. This involves the compilation, lay-out, illustration, and editing of the Navy Stock List for printing. In addition, cartain related publications are prepared by each SDOP. Each Navy Look Dist is patterned to meet the particular needs of each SDOP. Nonever, a cartain degree of standardization is raintained as to the title, format, and the frequency of issue of basis publications and publication changes. In general, a single unit, usually at a brunch level, is responsible for the preparation of the Mavy Stock List and related publications. Distribution control of publications is also maintained at each STOP.



A Additional and Time and the Control of the Control

This phase of the government of the series of the series of firm the first have charted of the series in a function of the series in a function of the series and functions and functions and the series of the product of the series of the series of the series and functions and functions and the series of the series of these series and the series of the series of these series and the series of the series of these series and the series of the series of these series and the series of the series of these series are the series of the series of these series are the series of the series of these series are the series of the series of

It may be noted from Figure (1-1) that the Tochnight and Cabring
Ideals have one continued as expansion embinion. The Yould and Millian
angular a plants status on the bank of the role as a special for 1 agency
are all terminal message. Allow releasing the Cabring Pinton and outlonlikes a primarily to most the rejularization of Pholic for this, in the Regist
and also not the Tochnah Cabrington Tropans. The rapidal has a company
of this promise and the track of the mesoneary to examine a company
ingle, organizations. The result the personal six organization of the form
on the Finish and the Tochnah Cabrington to the personal six organization.

The substitution of the Company of the Company Publication of the Company P



Calculated and Talendra and Alexanders and Alexanders and Alexanders and Talendra and the Salar and day of the problem and the Salar and Supply Calco, see postanoly. In addition to the Salar and Salar a

Standard and specific SDOP technical and catalog organishion structures down to the branch level can be noted in Figures (2-2, 2-2, 2-3). No single piracture conforms with the standard or softwhich structure. Within the Mostranica Supply Office, Item Adouting the time and Fublications branches are assigned to a non-standard Equipment Support Distration and the Administrative Services Division. In addition, advantage list para matica, a technical division function, and produced operate matica, a special planning Sanation, are assigned to the Manager Confident Division. This all other SECRS, less CSCO, eatelog while and Sanations have been integrated into that of the Machines Division.

The disselectivities of the Gerelion Director of a recommendate of the few desirables in a product of the residence of the control of the few distributions and secure of the residence of the few distributions and secure of the few distributions are the few distributions of the few distributions are the few distributions.



ellors we in grant I for the read to execut, thill each metal is the recording need to energy the florest of the mestalic metals."

The nool regional constraint the almalant expendential evaluation of improving this program.

In spite of diversities in structure, each tochnical-catalog orgamisation appears to be sound from the viewpoint of work division, span
of control, scalar depth, and line-staff relationship. Howevertheless, the
energence of two basic patterns - the consolidation of identification
functions as oridenced by three of the SDCPs reviewed, and the stablishment of an equipment-support complex emphasising the provisioning program
at the Electronics Supply Office, raises the question of a program was



Indian Sture Contract to the second

The board Penselpouri maniform and the first of the form and the operational and Accounts Manual and the American minima and the operationally to each CDCP are considered to be identical in the fact. Further, instructs as technical—catalog functional tasks are assigned in opport of the SDCP functional missions, it is logical to find that these tasks are also identical. From the above it is concluded that all SDCPs have been legally assigned the same type of mission and have thus been created for the same function or purpose.

Companison of Major Technical-Catalog Punctions

The slittly rity of those functions is attributable to the off and by cach CDUP to the functional etatorants proceeded in the Auftri Chanch for technical and outsing functions and to the alequaty of the technical and outsing functions and to the alequaty of the technical and outsing functions performed. In the isolated function the functions performed. In the isolated function of a particular statements differ, they appear to fit operation by a technical and of a particular SDIP. For example, several new functional state was perturbed to providenting and equipment support policies by ICD to indicate tip, of mightals on optiquent apport programs, a matter was Right and a technical calculation. In all other to perfuse a some prison of the System Francisky functions indicate that was looked performs a contability the same function.



Linearioù de gean d'al de ea and for the error of more of real to get a time to achillowers eliterate for another that any or for the menugerest of specific cologories of natorial as is the sense of the age it is obvious that the material mission of each is different. It is oirmiricant that the equipments supported by these SDJPs recont the although in tochnical complexity, o.g., guided missile systems, so chal ordnance weapons, and nuclear propulsion plants, and their items of supply range from the most commonplace to the most sophisticated. With the exception of the Coneral Stores Supply Office, where material assignments are made on a commodity basis, all SDCPs are primarily concerned with the support of technical equipment, major or poments, and end fitter. It is this area, with its estreas in completity and populiarity, that errors the greatest demand on organization. It is apparent that the technical Mateura brancon a SDOP and the cleebronder industry wealth differ in may recover liver the Sectionical Indiasa magnituined between a 2037 and intermini agoneries engaged in the production of some panter or nuclear equity walk

Starrang

Classifications of parameter assigned to compared. The and incaveled organizations, the grades at various lovels within these waits,

Indicate of aspervisory to mon-supervisory populated and carifulation.

If the same Christian personnel of the Navy are classified on the Maria
of exceptational upoclations and the relability difficulty and is to a
contract of the anches performed. The classification produce is to a
contract classification abradants and is usually difficulty.

position of the filter. As one of the product of the constitution of the twinter, profitions are ruled to the objections and for the organization, it is because to our rule of the the investing and within the said are organization complements and shortly ruled.

Wards Honoursmank

A uniform work measurement system is in effect for all technical—catalog operations. The uniformity of this system is attributable to compliance with BuSania Publication 20%, the directive unifor which a standard work measurement program is maintained. Although a slaid, work measurement program is in effect, it is mighly improbable that the weight and value of such work count is consistent around all SDJPs. This incontistency is attributable to the myrical of clerical-technical action that are understanded not units. The extending impression gained from the removed to this area is that a uniform work measurement program attribute technical and catalog functions is raintained and that there is attribute to the horizon purformed at all SDJPs, are sufficiently related to be included within the scope of a single work measurement system.

Provisioning

Provintending objects was are the same at all SDUP purchasing purchasing purchasing purchasing of one fitters of materials in contribution to the forest of materials is contributed by the four-theory of the Mary, to a large order, the bulls pro-



destruction and any access concernance in a concept access to the concept access and a concept access and a concept access and access and access access and access access

It is this area of anypty analysis with it that is that is the consider.

and sugain sie ands withis office the grade of challenge in the consider.

At the Diectronies dapply Office certain tradition it a stated and Catalog Division functions have been integrated with the provisioning planning and coordinating functions of the System Planning Division for the express purpose of meeting provisioning requirements.

It is concluded that the provisioning process - a direct reflection of the SDSP material mission - is a focal point of operational complexity and should be organized to best serve the enterprise objection.

Stock Goordinatiun

The stock coordination depotion is primarily of a social off-close only nature and is performed by the Technical Division of such COOP. This familia involves the review, calcotion, and organizates estimated of attained ply items on the basis of established gaidelines. Although the detailed procedures necessary for this operation differ at such SIOP, the same principal procedural stops and source naturally are vitings by all SOPPs.

Isem Idembification

Of all the various capply functions at an Intercept central Policy who has larger than the Person that its about the called formation to the formation of the formation per so is preferred in accordance with might have about the limited by the Eugenberg of Deferre. This is not to be for the Eugenberg of Deferre. This is not to be for the Eugenberg of Deferre.



the local duality, tooks, and promoted any peroduction as any constraint throughout out thought to organization absolute. In some SMAR That Translated without regard to organization absolutes as a single fraction. It others, this function is performed in addition to other tooks as the practices, this function. It is concluded that in spite of part practices, this function can be performed in conjunction with other statics tooksical functions by the same organizational units.

Toohnical Library

Although the actual operations, practices, records, very in detail, the brook functions of the beckellibraries at all abdra and analogous.

Rochalcal and Catalog Records

Technical and extrict records norms as a control of construction and trace at the disponsible and integral element of these operations. In these determines the manually activities. In these determines approxing on the manually activities. In the deal records are controledly the rate, it can be considered that the technical involves, and decisions made on the basis of interpreting the factor sides, are decisions made on the basis of interpreting the factor sides, are decisions are a part of its indeed and amost described, in the respective of the factor and apply substitute of the colored to propose and unbeing allied to all times. Then the condition are characteristical and contains the characteristics. Then the condition are characteristical and contains are characteristics.



publications. The case layout, compilation and literations function is considered to be substantially the same at all SDOPs.

Gandral Conclusion:

Then the analysic above it is constitled white

- 1. In the builded-eated organization of ouch bill is accounty
- 2. The technical-exactor organisation structure of each SLOP is disturbed.
- 3. Tooksdrak-ooldly famybicas of wil 57000 and immunically bad
- A. Provincially functions of all SMOPs differ in some and dynamics.
- 5. Tromminal-out for furnitions in all offer acous use out yillibe



71777 7

DAVIDA LAT OF COLUET AS LITTLE TO TENDING

The concluding analysis in the previous chapter indivious that SPO7s are performing identical functions and infers that a strend organisation is appropriate for those functions. The stray also reveals that standard guidelines and operating procedures exist for virtually every major function. From this it would appear that the existence of standard goals and objectives would proclude the need for a standard organisation. It is emphasized that present organisations are sound. However, it is contended that a standard organisation and the attendant improvement in work measurement and refinement in procedures and records will improve the overall effectiveness of SDOP operations. In order to support the position that a standard organisation is providedly, it believes the proposent to construct and substantiate, at least hypothetically, or "ideal" organisation extracture.

Devoloping the Organization Startuture

Developing an organization obsertance from this dicknote sequires an architectural approach of balancing spead and functions. Althouseous for the human element are beyond the dealgrants reach. The complete of an tideal congumention, guided by factors presented and continued within this report and a general fact for an escentibility of mixture, is able total taken.



de e mineralization de la composition del composition de la composition del composition de la composit

Time Ar truly To the read for the Line of the 11 . areal sage to medica the wash of the crisageist to the girefit it for the nator. Designily, the toubeloud-catalog process somether of War noticetion of material and the clarical-technical nainteners of this caterial after induction into the system. The work effort can be loggedly oneroximade de (I) production, and (2) comparation. State and correlationsidens are non-organizable. In the coass of boshulp i entrology of core Niceraloga speladed dres tills convert. Inc lightcar are connel or it at home Alian or faillfulary familians. Though one of interesting to everally a stables that the the concepts concepts for firstle. The concepts Tem = to - To, the toolidest freether of pervictable of a left of the library to the contract of the and a personal place of the contract, the contract of Louis A harmagain will be about the training and all the of TO THE CONTRACTOR OF THE STATE the religion, is the constitution of the constitution of the constitution of - to-million of data, of bur according or mission. And invite, term also to Il morely the problems provide and composition to the course and Electric terror terror and a company and lamine that every thin to a social later than the later later. I a LO SICHO SO EN SIZIONES ENGLISHE WALL CONCERN AN TIME OF THE PORT OF THE CONTROL the first the state of the second section of the second second second second second second second second second

Line (A) is a significant of the control o



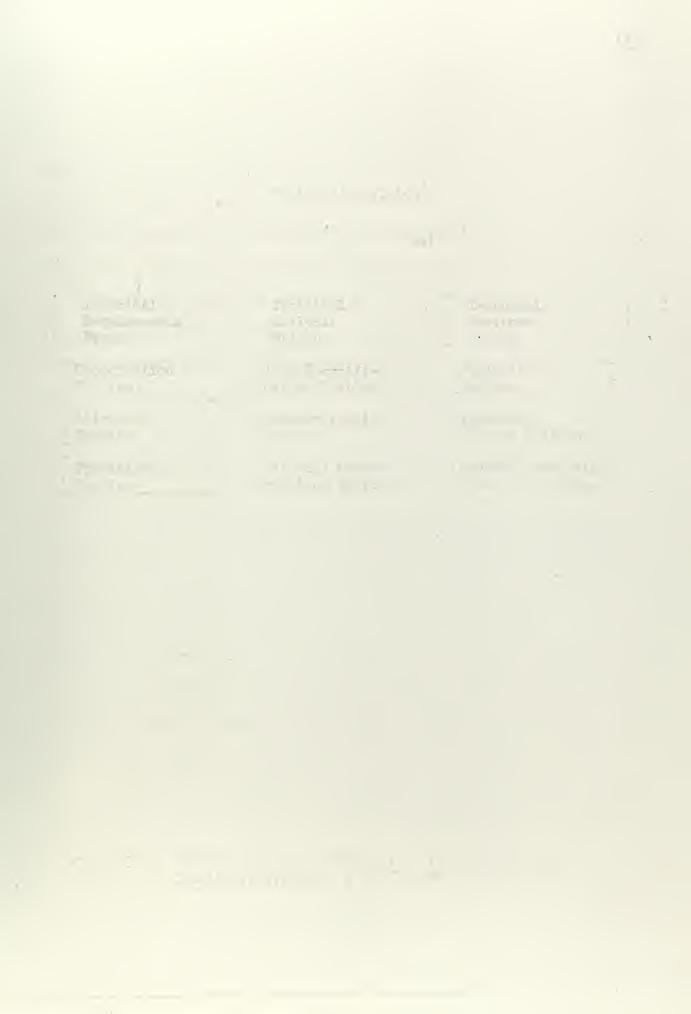
The second secon

and courses function, representative functions of the in a local-variety divisions can be divided as follows:

gamen minimum minimum marine m	Ravie Prochime.
Prodictive -	Deforminables of range and countilly of repuls parts by provints that
	Des blicking minter med blass, 'allerance lists, armle purts lists.
Companistro	Navas inablem ed indiachas abbu- ibunu.
	Tiom incominition in the second of the secon
	Pursonning Substance purintally to make all organia or a
	And which incoming to technique configurate.
Engard on Romina	Go goldaddan eru (d. 3 dlmbu a bil gwlaifechlong,
	Electric describer, repolation en l malatanesso de son electricad cultilo; modella,
	Admidstrate of Landin Blinds
	Groupeliers of property of a still of small life property of

<u>Cristinion</u> Gonskraudin of & Ingladi organization of a second of the se







the second of th

and the same of th

Forestions Calling within the scope of "compressions were either are also combined into a single unit. Papertreentables on this bruie serves to eliminate the comfaction created by pully casely years therefore, when as determining equivalency and interchangeabilities, years for the algorith to Cabalog and Rochalogi Birlinons. As pointed one above, the ages of Addende and Rochalogi on a babic language will be and the order of the configurations.

The manifest of purknowing featured military. The manifest was continued to the continued feature and continued to the continued feature and continued to the continued continued feature. The continued continued continued feature and continued feature and continued features and continued features.

no municipalità del company de

An vaca of the diverse and openimizable for the first terms of the fir



The state of the s

Silver

in that it provides a single electible suggested for the provide animal, program, divides work on the basis of work cancept and Alexanda, provides a consistent and balanced structure for service functions, or the a separate staff group, and reduces the span of central. Into serveture in adoption at the section level and to the majoristion of a higher level. Abroard, functions are distinct on a burts that will provide as replaced expansion. In provide all or at the staff will provide as replaced of organization of the collider of cities.

Obser of principalities asserbance beaution of the agree of the object of the object was the object of the object



14/21/2011

In injections update in a fitter deal, are as dollar,

- 1) Englis Formai Control Voleto and monitoraing identification of the Alexander of the Children of the Childre
- 2) Those organizabilions are subject to improve this.
- 3) The prosent standard organisation for tochnical and outsite; the time of Supply Remand Control Paints is no honger appropriate.
- 4) A standard organization is feasible for all technical and catalog functions at Supply Domaid Control Points.

Major Recommendations

It do resourended that:

- 1) Who provint abandard organization for technical and associate divisions of Sepain lead Control Points be dissolublished.
- 2) The Carona of Carplines and Associate establish a continuous columns.

 organization allows the lines of the organization devices in the lines a few tenses. Former, for the category for a decimal few tenses.



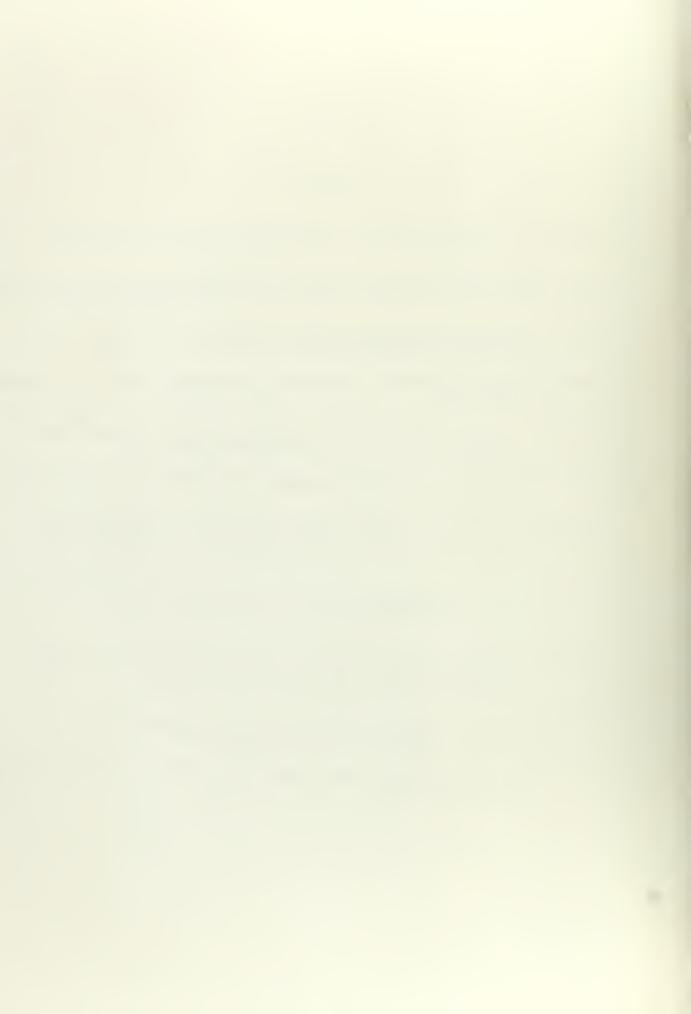
at 4 ta 100 to 100 at 1

110 1 4

- Alford, L. P. and R. R. Dest J. Printer of the attraction of the Control of the C
- Dello, Ermest. Phanton in the Town times; to a Comment Dermite the allies to the analysis and control of the co
- Fayal, Bonry. Caronal and Industrial Administration. How North Iddams. Publishing Corporation, Ipp.
- Rosais, N. cal C. O'Donnelli. Univelphon of Tenangrant, The Yarks Essaur-
- Lamperbl, T. A. and S. D. Churches. Intermed Andleter for Inc. only. Deployed Chille, D. S. P. Levles-and and a second
- Normal, William M. Academ Academ Adalani, New Yorks Resultaning Thos.
- Printing C. M. and P. O. Land. A Line of the Administration of the land. Debugge, Terms Was Go and an analysing, Library

Tridition this or on the Comments

- Malastria Collings of the fact Perves. Margass, Passer with of the laboration of the Malastria Macass, we have Malastria and the Malastria of the Malastria of
- United States Heavy Promise of Commist and Agent the Manning Volume I,
- United Status West 1500 to Carrott of Was Wast and Indicention Sho, West and Indicention Sho,





thesR647
The practicability of standardizing tech
3 2768 001 94917 5
DUDLEY KNOX LIBRARY